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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/938,912	08/24/2001	Sayling Wen	41937-2002	3324

7590

07/15/2004

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EXAMINER

WOO, ISAAC M

ART UNIT PAPER NUMBER

2172

DATE MAILED: 07/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/938,912

Applicant(s)

WEN ET AL.

Examiner

Isaac M Woo

Art Unit

2172

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 24 August 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-29 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. Claims 1-29 are pending in this office action.

#### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Johnson et al (U.S. Patent No. 6,567,805, hereinafter, "Johnson") in view of Gartner et al (U.S. Patent No. 6,393,435, hereinafter, "Gartner").

With respect to claims 1-2, 15 and 17, Johnson discloses, front-end unit (10, user computer, fig.1, col. 4, lines 66-67 to col. 5, lines 1-4, in light of specification, front-end unit is client (user computer)) comprising a user interface (401, user interface manager, fig. 4, col. 7, lines 41-65) for interfacing the user to the computer, see (fig. 4, col. 7, lines 41-65); and back-end unit (12, interactive automated response system, fig. 4, in light of specification, back-end unit is program unit separated with user computer unit) comprising an object analyzer (122, text categorizer, fig. 1, col. 5, lines 17-30 and fig. 4,

col. 7, lines 55-61) wherein the object analyzer (122, text categorizer, fig. 1, col. 5, lines 17-30) receiving information access requests requesting for information as issued by the user (201, fig. 2, col. 5, lines 31-35) for determining the category of information object to be accessed, see (203-204, fig. 2, col. 5, lines 31-49, accessing is determined at the step of 203); the object analyzer (by text categorizer based on user query context, fig. 1, col. 5, lines 17-30) determining the accessed category of information objects by organizing the objects of the requested category (204-205, fig. 2, col. 5, lines 31-50, categories are decided at steps of 204-205) and presenting the organized objects for selection by the user, see (207-209, fig. 2, col. 5, lines 31-59, categories that matches are sent to user). Johnson does not explicitly disclose database comprising an index system for organizing the objects. However, Gartner discloses "database system can be used to index and provides access to large objects in a file system (such as files that contain digitized versions of Russian-language movies)", see (col. 2, lines 4-15). This teaches the database system comprises the index for data object in the database system. Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to include database comprising an index system for organizing the objects in the system of the Johnson. Because database includes data objects with index and the index of the database provides efficient and fast data retrieval in the database management system.

With respect to claims 3, 16 and 18, Johnson discloses that application software program is a user-friendly application software system incorporating a plurality of simple interfaces for intuitive access by computer users, see (fig. 4, col. 7, lines 41-67).

With respect to claims 4 and 19, Johnson discloses application software program is a user-friendly One-Touch OS application software system for processing daily-life computer applications for computer users, see (fig. 4, col. 7, lines 41-67 to col. 8, lines 1-54).

With respect to claims 5-9 and 21-24, Johnson discloses One-Touch OS application software system processes handy personal information including phone numbers and addresses, notes, communication services to World Wide Web over Internert, see (fig. 4, col. 7, lines 41-67 to col. 8, lines 1-54).

With respect to claims 10-13 and 25-28, Johnson discloses One-Touch OS application software system provides language tutoring to computer users for typing tutoring to computer users, game playing, multimedia palyback, see (col. 1, lines 33-67 to col. 2, lines 1-64).

With respect to claims 14 and 25-29, Johnson discloses One- Touch OS application software system is capable of processing handy personal information including phone numbers and addresses, taking notes in texts and in drawings,

providing communication services including telephone connections, facsimile transmissions and receptions, electronic mailing, chatting service over the Internet, accessing the World Wide Web over the Internet, providing language tutoring and typing tutoring to computer users, providing game play to computer users, and providing audio and video playback, see (col. 1, lines 33-67 to col. 2, lines 1-64, fig. 4, col. 7, lines 41-67).

### ***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Arsenault et al (U.S. Patent No. 6,728,966) discloses the system for electronic television program guide information is downloaded, stored and searched by a local device. A plurality of linked lists are used to remove redundancy, increase search speed, and allow dynamic categories. When a new category is encountered a new head node for a link list data structure is created. When a first program guide objects containing information related to that category is downloaded, a link is made (i.e., a pointer is stored) from the head node to the guide object. When subsequent program guide object6 containing information related to that category is downloaded links are added to the end of the list or inserted in alphabetical order. As guide objects expire the links are removed. When no links remain in a particular category the head node for that category is deleted.

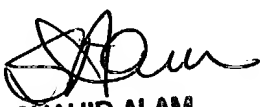
**Contact Information**

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac M Woo whose telephone number is (703) 305-0081. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E Breene can be reached on (703) 305-9790. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

IMW  
July 9, 2004

  
SHAHID ALAM  
PRIMARY EXAMINER